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* Title: **JP03289052B2:**Derwent Title: Ink jet recording ink - contg. aq. soln. of colourant, ammonium polyacrylic acid and polyoxyethylene surfactant [Derwent Record](#)

Country: JP Japan

Kind: B2 Published registered Patent Specification (See also: [JP06340834A2](#))

High Res.

Inventor: see Assignee

Assignee: None

This is the publication no. of the application (128689), and its abstract is attached.

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Application Number: **JP1993000128689**

IPC Code: C09D 11/00

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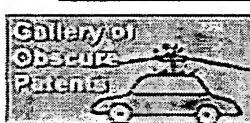
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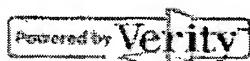
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PATENT ABSTRACTS OF JAPAN

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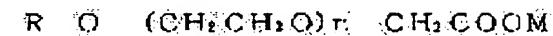
(72)Inventor : IGARASHI MASATO
 KAWANISHI TOSHIYUKI
 KAWAMURA FUMIO

(54) INK-JET RECORDING INK

(57)Abstract:

PURPOSE: To obtain an ink-jet recording ink capable of forming a clear image on paper by using polyammonium acrylate and a specific surfactant as additives in an ink-jet recording ink in the form of an aq. soln. of a colorant.

CONSTITUTION: An ink-jet recording ink in the form of an aq. soln. of a colorant is blended with additives comprising polyammonium acrylate and a surfactant of the formula (wherein R is 6-14C alkyl; n is 3 to 12; and M is an alkali metal ion, a quaternary ammonium, a quaternary phosphonium, or an alkanolamine). The content of the polyammonium acrylate is suitably at least 0.01wt.%. The amt. of the surfactant of the formula to be added is pref. at least 0.2wt.%. Where at least two inks differing in color are used, at least one of them must contain sodium slginate and the surfactant of the formula.



LEGAL STATUS

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